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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/028,525	10/25/2001	Robert F. Bartfai	POU920010013US1	4463

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EXAMINER

MANOSKEY, JOSEPH D

ART UNIT	PAPER NUMBER
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2113

DATE MAILED: 11/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/028,525	Applicant(s) BARTFAI ET AL.	
	Examiner Joseph Manoskey	Art Unit 2113	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 February 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/25/01</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: "110" and "180" of Fig. 2. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claim 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Chen, U.S. Patent Application Publication 2003/0018926.

4. The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

5. Referring to claim 1, Chen teaches a method of running a diagnostics program on an adapter in a node of a network without needing to reboot, this is interpreted as a method for handling errors in adapters used for communications in data processing network having at least two nodes connected through a switch, said error handling method comprising detecting a nonpermanent error condition, within an adapter connected to one of said nodes, from which recovery is possible from within the node connected to said adapter (See Fig. 2, paragraphs 0001 and 0005).

Chen teaches blocking any new open system calls, this is interpreted as suspending communications from within the node with the adapter affected by said error condition (See paragraph 0005). Chen also teaches blocking input/output calls making

dormant clients and applications, this is interpreted as disabling communication between said affected adapter and said switch so as to provide an indication to at least one other node in said network that communication with said affected adapter is at least temporarily suspended so as to effectively cause suspension of, but not termination of, applications running on said at least one other node in said network (See paragraphs 0005 and 0025).

Chen discloses running a diagnostic program for the adapter, this is interpreted as performing recovery operations, at said affected node, to restore operation of said affected adapter, based on said detected error condition, said recovery including enablement of said disabled communication (See paragraph 0005). Finally Chen discloses resuming all blocked clients and applications, this is interpreted as resuming communications with said affected adapter upon enablement of said disabled communication (See paragraph 0025).

6. Referring to claim 2, Chen teaches a method of running a diagnostics program on an adapter in a node of a network without needing to reboot, this is interpreted as a method for handling adapter errors in a multinode data processing network in which node-to-node communication is at least partially handled by adapters connected to said nodes, said adapters operating to pass messages from said nodes through a switch which links the nodes in said network, and detecting a nonpermanent error condition, within an adapter connected to one of said nodes, from which recovery is possible from

within the nodes connected to said error affected adapter (See Fig. 2, paragraphs 0001 and 0005).

Chen teaches blocking any new open system calls, this is interpreted as suspending communications from the node connected to said affected adapter (See paragraph 0005). Chen also teaches blocking input/output calls making dormant clients and applications, this is interpreted as disabling communication between said affected adapter and said switch so as to provide an indication to at least one other node in said network that communication with said affected adapter is at least temporarily suspended so as to effectively cause suspension of, but not termination of, applications running on said at least one other node in said network (See paragraphs 0005 and 0025).

Chen discloses running a diagnostic program for the adapter, this is interpreted as performing recovery operations, at said affected node, to restore operation of said affected adapter, based on said detected error condition, said recovery including enablement of said disabled communication (See paragraph 0005). Chen also discloses blocked clients and applications will close after retrying for amount of time, this is interpreted as terminating said running applications on nonaffected nodes in said network upon a determination that reestablishment of communication with said affected adapter is taking too long (See paragraph 0025). Finally Chen discloses resuming all blocked clients and applications, this is interpreted as otherwise maintaining said running applications and restoring communications with said affected node after performance of said recovery operations (See paragraph 0025).

7. Referring to claim 3, Chen teaches the applications running in a window environment (See paragraph 0027).
8. Referring to claim 4, Chen discloses blocking I/O calls to the adapter, this is interpreted as fencing at least one communication port via which said adapter is connected to said switch (See paragraph 0005).
9. Referring to claim 5, Chen discloses blocking and system calls and I/O calls to the adapter, this is interpreted as halting direct memory access between said affected adapter and the node to which it is connected (See paragraph 0005).
10. Referring to claim 6, Chen teaches running a diagnostic program on the adapter, this is interpreted as logging operations which are carried for said adapter to facilitate error analysis (See paragraph 0005).

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following are examples of closely related art.

U.S. Patent 6,766,470 to Shah


U.S. Patent 5,664,219 to Glassen et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Manoskey whose telephone number is (571) 272-3648. The examiner can normally be reached on Mon.-Fri. (7:30am to 4pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JDM
November 12, 2004


ROBERT BEAUSOLIEL
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100